

CLAIM AMENDMENTS

1. (Currently Amended) An information apparatus for managing outputting of content to an output device, the information apparatus being a distinct device from the output device, the content accessible at least partly by the information apparatus, the information apparatus comprising:

    a communication unit to communicate with the output device,  
    a user interface for interacting with a user;

    means for establishing a communication channel between the information apparatus and the output device;

    means for receiving over the communication channel one or more components associated with the output device and over the communication channel enabling the content to be rendered by the output device device, the one or more components not previously stored or installed in the output device;

    means for conforming at least part of the content into one or more output images with said one or more components;

    means for generating an intermediate output data including said one or more output images and for rendering by the output device; and

    means for delivering the intermediate output data to the output device for rendering.

2. (Original) An apparatus according to claim 1, for managing outputting of content to an output device selected from a plurality of output devices, wherein the communication unit communicates with said plurality of output devices, and the apparatus includes means to select an output device from said plurality of output devices.

3. (Original) The apparatus according to claim 1 in which the one or more components includes one or more of a rasterization vector, a price indicator, an availability indicator, a status indicator, an output data format indicator, and a quality of service indicator.

4. (Original) The apparatus according to claim 1 in which the communication channel includes a wireless communication channel.

5. (Currently Amended) The apparatus according to claim 1 further comprising means for sending payment information ~~over the communication channel to a device~~ as compensation for the rendering of the content by the output device device, the apparatus and the device communicating using local short range wireless communication.

6. (Currently Amended) An information apparatus for managing the outputting of content to an output device, the information apparatus being a distinct device from the output device, the content accessible at least partly by the information apparatus, the information apparatus comprising:

a wireless communication unit to communicate with one or more output devices;

a user interface for interacting with a user;

means for searching and discovering with short range wireless communication one or more wireless output devices in the vicinity;

means for selecting an output device from among the one or more discovered output devices;

means for obtaining one or more device dependent attributes associated with the output device;

means for conforming at least part of the content into one or more output images with said one or more device dependent attributes, at least part of said one or more output images including mixed raster content encoding attributes;

means for generating an intermediate output data including said one or more output images; and

means for delivering the intermediate output data to the output device for rendering.

7. (Original) The apparatus according to claim 6 in which the means for obtaining one or more device dependent attributes includes

means for obtaining from one or more sources that includes a user input, a network server, a default value stored in the information apparatus, and from the output device,

8. (Canceled)

9. (Currently Amended) The apparatus according to ~~claim 8~~ claim 6 further comprising means for obtaining over the communication channel an output device profile that includes the device dependent attributes.

10. (Currently Amended) The apparatus according to ~~claim 8~~ claim 6 further comprising means for sending payment information ~~over the communication channel to a device~~ as compensation for the rendering of the content by the output ~~device~~ devices, the apparatus and the device communicating using local short range wireless communication.

11. (Original) The apparatus according to claim 6 in which the means for conforming includes means for conforming at least part of the content into at least one output image by one or more of a rasterization operation, a scaling operation, an interpolation operation, and a compression operation.

12. (Canceled)

13. (Currently Amended) An information apparatus capable of outputting content to an output ~~device; device, the information~~ apparatus being a distinct devices from the output device, the content accessible at least partly by the information apparatus, the information apparatus comprising:

a wireless communication unit to communicate with an output device;

a user interface for interacting with a user;

means for searching and discovering with short range wireless communication one or more wireless output devices in the vicinity;

means for selecting an output device from among the one or more discovered output devices;

means for establishing a communication channel between the information apparatus and the selected output device with short range wireless communication;

means for conforming at least part of the content into at least one output image with at least one predefined standard rasterization parameter values values, the standard rasterization parameter being device independent of the selected output device;

means for generating an intermediate output data including the one or more output image, the intermediate output data being at least partly device independent of the selected output device; and

means for delivering via the established communication channel the intermediate output data to the output device for rendering.

14. (Canceled)

15. (Original) The apparatus according to claim 13 further comprising means for obtaining over the communication channel an output device profile.

16. (Original) The apparatus according to claim 13 further comprising means for obtaining over the communication channel information related to the intermediate output data format.

17. (Currently Amended) The apparatus according to claim 13 further comprising means for sending payment information over the communication channel to a device as compensation for the rendering of the content by the output device device, the apparatus and the device communicating using local short range wireless communication.

18. (Original) The apparatus according to claim 13 in which the predefined standard rasterization values is included in the information apparatus.

19. (Original) The apparatus according to claim 13 in which the means for conforming includes means for performing one or more of a rasterization operation, a scaling operation, an interpolation operation, and a compression operation.

20. (Currently Amended) The apparatus according to claim 13 in which the means for conforming conforms at least part of the content into an output image that includes one or more of a compression, mixed raster content encoding, encoding, and sound encoding.

21. (New) The apparatus according to claim 6 in which the information apparatus is a wireless mobile device.

22. (New) The apparatus according to claim 13, in which the information apparatus is a wireless mobile device.

23. (New) The apparatus according to claim 4 in which the wireless communication channel includes one or more of a Bluetooth, an infrared, a IEEE 802 and a wireless standard based on 2.4 GHz frequency.